

MODULAR CIRCUIT TECHNOLOGY

MCT-LBA

Logical Block Addressing Enhancer Card

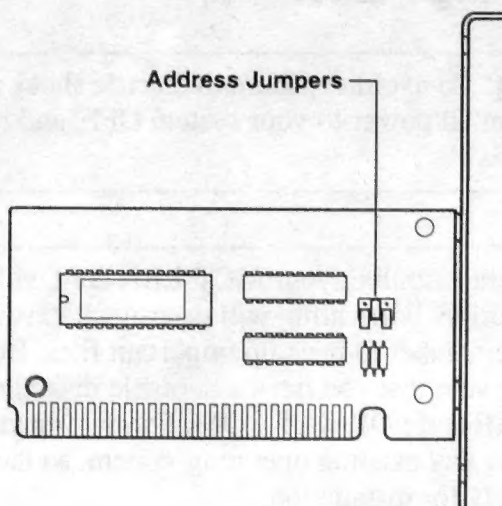
Quick Installation Guide

MCT-LBA Features

The MCT-LBA is an upgrade card that adds capability to utilize the new Logical Block Addressing (LBA) technology. With this card installed in your computer, you can:

- Use Enhanced IDE disk drives with capacities greater than 528MB.
- Eliminate the need to format and partition your hard drive into 528MB or smaller partitions.
- Use standard and EIDE controllers.
- Support up to four hard disk drives on your system.

Refer to the following illustration for the location of the jumpers on the card.



Configuring the MCT-LBA



Caution: Before removing the MCT-LBA from its static-shielded bag, you should wear a wrist grounding strap. If a wrist grounding strap is not available, ground yourself frequently by touching an unpainted (metal) portion of your computer for a few seconds.

Before installing the MCT-LBA in your computer, use the jumpers on the card to configure it for your system.

Jumper Settings

To avoid IO address conflicts with other devices, select an address not being used by other cards in your system. The card can be set for addresses C800h, CC00h, D000h, D400h, D800h, or DC00h. In most instances, you can use address C800h, the default address. The following illustration shows the default jumper settings for the card.



	Jumpers		
Address	J3	J2	J1
C800h	Open	Closed	Open
CC00h	Closed	Closed	Open
D000h	Open	Open	Closed
D400h	Closed	Open	Closed
D800h	Open	Closed	Closed
DC00h	Closed	Closed	Closed

Installing the MCT-LBA



Warning: To avoid exposure to electric shock and damage to your system, turn all power to your system OFF, and unplug all cables and power cords.



Note: After installing your MCT-LBA card, you will have to format your hard drive. Formatting will destroy all existing data on your drive, so remember to back up important files. Before installing the card, make sure that you have a bootable diskette that includes FDISK.EXE and FORMAT.COM. Formatting your hard drive will also destroy any existing operating system, so have the OS of your choice handy for installation.

Installing the MCT-LBA into the Computer Case

1. Open your computer case according to the documentation that came with your case or computer.

If the documentation does not contain the appropriate instructions, contact the dealer from whom you purchased the case/computer.

2. Locate an empty ISA expansion slot. If you must unplug any cables to insert the card, note their positions so that you will be able to replace them with their red-stripe sides towards pin 1 of the corresponding headers after the card is inserted.
3. Remove the metal bracket from the back panel of the computer.
4. Carefully plug the card into a vacant slot using a slight front-to-back rocking motion.
The edge connector (the gold *fingers*) on the card should be firmly seated in the slot.
5. Secure the card to the computer case by using the retaining screw supplied with your case.

Closing Up

1. Before you close the computer case, be sure to install any internal components, cables, or peripheral devices you may have removed in order to install the MCT-LBA.
2. Close the computer case, and secure it. (Refer to the documentation provided with the case for instructions.)
3. Attach all adaptor cables to their connectors (video, mouse, keyboard, etc.).
4. Connect power cord to the computer.

Setting Up LBA Mode



Caution: If your hard drive already has data on it, back it up before you go any further, or all your data will be lost!

1. Boot your computer from your bootable diskette (see Note on page 2). Do not remove this diskette from the floppy drive until instructed.
2. When the message "Press DEL to Enter Setup" appears, immediately press the Delete key on your computer keyboard.
3. Select "Standard CMOS Setup."
4. Select the Hard Disk Type as "47=USER TYPE" with these parameters:
Cyls.: 8
Heads: 8
Sectors: 8
5. Press the "Esc" key, and select "Yes" to save the CMOS settings and exit the CMOS setup.
6. After your computer reboots, at the "A:/" prompt, type `FORMAT C:/S/V` and press return. Your hard disk drive will begin formatting. This process can take as long 10 minutes for a 1GB drive. (Continued on next page.)

7. Run FDISK, and select option 1 to create a single DOS partition.
8. Install an operating system.

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